

EXPANDABLE STENT WITH RADIOPAQUE MARKERS AND STENT DELIVERY SYSTEM

Abstract

5 An expandable stent and delivery system therefor is provided for treating vascular diseases such as partially occluded blood vessels and aneurysms. The delivery system includes proximal, intermediate and distal cylindrical members disposed about an elongated core member. The proximal, intermediate, and distal cylindrical members are spaced apart such that first and second gaps are formed. The expandable stent includes anchor members which are formed by
10 winding a radiopaque coil onto a threaded portion of a strut member of the expandable stent. The expandable stent is mounted on the intermediate cylindrical member with the anchor members disposed within the gaps between the cylindrical members. A deployment catheter is used to compress and constrain the stent about the intermediate cylindrical member to thereby interlock the stent onto the core member.